

<213> Peptide

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20     25     30
Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu
35     40     45
Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe
50     55     60
Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile
65     70     75     80
Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala
85     90     95
Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
100    105    110
Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys
115    120    125
Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe
130    135    140
Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
145    150    155

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210> 2
211> 321
212> DNA
213> cDNA

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220>
221> CDS
222> (0)...(321)

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<400> 2
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gaa aga gtc agt ttc tcc tgc agg gcc agt cag ttc gtt ggc tca agc      96
Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
20     25     30
atc cac tgg tat cag caa aga aca aat ggt tct cca agg ctt ctc ata      144
Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
35     40     45
aag tat gct tct gag tct atg tct ggg atc cct tcc agg ttt agt ggc      192
Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
50     55     60
agt gga tca ggg aca gat ttt act ctt agc atc aac act gtg gag tct      240
Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
65     70     75     80
gaa gat att gca gat tat tac tgt caa caa agt cat agc tgg cca ttc      288
Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
85     90     95

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acg ttc ggc tcg ggg aca aat ttg gaa gta aaa
 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
 100 105

321

<210> 3
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 <212> PRT
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 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
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 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
 35 40 45
 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
 50 55 60
 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
 65 70 75 80
 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
 85 90 95
 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
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<210> 4
 <211> 357
 <212> DNA
 <213> cDNA

<220>
 <221> CDS
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 tcc atg aaa ctc tcc tgt gtt gcc tct gga ttc att ttc agt aac cac 96
 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
 20 25 30
 tgg atg aac tgg gtc cgc cag tct cca gag aag ggg ctt gag tgg gtt 144
 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
 35 40 45
 gct gaa att aga tca aaa tct att aat tct gca aca cat tat gcg gag 192
 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
 50 55 60
 tct gtg aaa ggg agg ttc acc atc tca aga gat gat tcc aaa agt gct 240
 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
 65 70 75 80

gtc tac ctg caa atg acc gac tta aga act gaa gac act ggc gtt tat 288
 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
 85 90 95

tac tgt tcc agg aat tac tac ggt agt acc tac gac tac tgg ggc caa 336
 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
 100 105 110

ggc acc act ctc aca gtc tcc 357
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<210> 5
 <211> 119
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 <213> Protein

<400> 5
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 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
 35 40 45
 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
 50 55 60
 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
 65 70 75 80
 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
 85 90 95
 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
 100 105 110
 Gly Thr Thr Leu Thr Val Ser
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<210> 6
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 <212> PRT
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<400> 6
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<210> 7
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 <212> PRT
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<400> 7
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 1 5

<210> 8
 <211> 20
 <212> DNA
 <213> cDNA

<400> 8
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<210> 9
 <211> 27
 <212> DNA
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<400> 9
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<210> 10
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 <213> cDNA

<400> 10
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<210> 11
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<400> 11
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<400> 12
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<210> 13
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<400> 13
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<210> 14
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<400> 14
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<210> 15
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<400> 15
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<210> 16
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<400> 16
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<210> 17
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<400> 17
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<210> 18
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<400> 18
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<210> 19
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<400> 19
 gtcggacgtg gacgtgcaga 20